

More Explosive

Cartridge Devices

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CAB Analyses Mid-Air Collision Threat



Convair's Atlas ... determine to war -a socce for worse percea key to

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For ton years Constan's Engagering by the 8th Power has overegrams in the actronautics field. COVIII-Schnzafter

FAIRCHILD



The following airlines have ordered Fairchild F-27 propjet transports:

Bonanza Air Lines Frontier Airlines Mackey Airlines Piedmont Airlines West Coast Airlines

> These airlines will be serving 125 cities starting in late 1957 and 1958

The exciting new Pairchild F-27 to testaved crived for the comfort of the air traveler. Among its features are: Rallo-Rouse Durt propiet engines, 200 uph cruiring, 2250 mile range, 40 passengers, Issuest approxiing costs, small field performance and

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HOW TO LEAKPROOF SHAFTS AT HIGH TEMPERATURES

It realise no difference whether you expose them to a 100°F, deep freeze or a singeing 600/F. Falton Sylphon retary bellows souls will will inabyrouf constrag shafts against corrosive, explasive or One reason is that this seal festures a seeming, fleshie roots) selbour which repossib, ouviences and deflects to apply the proper scaling pressure at all there. Furthermore, the Pulter Sylphon bellows and is made with object solder for extra high-temperature

You can obtain Pulton Solution bellows male in retaining or stationary types for pressures up to bunderds of pounds and shall industries, then'te also available with welded occutmation to solve special contamination problems.



AVIATION CALENDAR July 50 Aug. 9-27ed Assets U. S. National

Social Competition, Aug. 5-Mr Saco., Grand Preme Meport, Toron Aug. I S., See Force Association's 1995 No. Any 1517-Indiano of the Assumption Science, Natural Turkins Princet Assumed As

eg 2724-Bird's Arutou Cop's 1955 Interestrated Ignition Confessed, Sel-Aug 27.29 - Vencenton for Computing Ma-

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Pillubrach System

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Phillips 66 PRESENTS

Bird Boy Art Smith

Whenever during exploits of proncer spiritors are chronlife to axisting.

The remands of his life was heathfreed by the unsalish reconstructed of his mother and father, who money to build his first surplane. Assether insperston. of his early years was his sweetheart, Agree Cour. They skyred in 1912 in what is considered to be the

in the capital of Japon, Art Smith set the world record of millions throughout the world.



by make him a made staged was a flets be made if was a gold sugget, given from by his hero, Buffalo Ball



It's Performance that Counted A parent or research and sustained by men graden recoi, Pletige Personan Comments comment to deadership at a tageplay of high scane graphes and new super perferences he Forts for saday's abroad. Sweet stranger's easy days. Philips has taken an acting part on money up deploy standards for existent fact in fact, Ffether Argas components at HF Alkyleic and In second facts, his performance that county And mistery and commercial ogextent Anne they got ager performance from Pindips 65 produces

PROLIDE PETROLEUM COMPANY ANSATYCK (INCOME) BANTLEDWILL CHILANCINA



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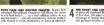
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Here's why BENDIX SELF-CONTAINED NAVIGATIONAL COMPUTERS can master aircraft navigation problems anywhere







FOR SHORT AND LONG RANGE. Effective operation of these self-coordinate limits used range from distances of free than 100 action on up to 2000-actio flights. A high self-coordinate flights of the self-coordinate flights of the self-coordinate flights of the self-coordinate flights.

















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"Let me tell you how. Frequent visite more would visite a specialist show we now ways to build the kind of service fiers want. We've got a direct pipeline right into all that Shell know-how. In addition, every issue of the Shell Dealer angeaine gives us merchardising tips on better ramp service.



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The portroits of tomorrow's possiblion systems are espidly becoming realities of Agreen-Granus, America's

and minife programs But creation takes telent. Angeles and Secramenes, are expending rapidly. Unengineering personnel as all levels of experience.

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Year resume will receive incredute, confidential

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WINGS FOR Lockhood accentists in Georgia are designing THE ATOM

Descriptor de energia prope

PROPERTY WAS LESS LOAD

LOCKHEED





O.4 TURNODRIVES ON THE B.42 also counts on air decied from the engineer These constant agend drives such turn a 60 keys, 480-ups attenuater which produces

New General Electric Air-turbine Drives Save

The Bosing B-52 Stratefortress, newest Air Force let hamber, uses General Riesters turbouseurs and power, Chalking up more than 100,000 hours operating time, these weight-assure power marks have helped to make the giant bomber one of the meet

borsted year the point where power is needed. Buch versatile, remote bouton reduces "dear" by outline turbouumns and alternator drives consist only of

engage nacelle sice, and eliminates the weight of long

the most strippert operating conditions.

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trol systems. Because their bosic design requires very

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transpirates have The belief system weight als increased aircraft range, speed, or payload. TOP RELIABILITY OF AIR-TURBINE DRIVES is adjusted can be operated on air from one or any combination

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Plant and he believe CAL-SIPA, CAL-6553 and CAL-673

I am requesting this information

Weight, Permit Increased B-52 Performance



AIRBORNE FINGERPRINTS

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These American aircraft all carry ducting components by Solar

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Totames's F-001A Stoffghire, have supersonic Air Force fighter, in only one of more than L 40 tachine-powered stream exercises, equipped with product built be Hamilton Steamer.



NAME TOWN STANSAGO, MINOSON SOCKE, COMMICTION

PROMETURE MARRIED ... P. T. Codine ATTACKS WEEK, July 30, 1956

OWERS IN 100 to Inchies Acc

PERSONAL W S. TRAW J. P. Wills SAN PRANCESS William Photogram

ter memmer e WARRISON & LIST Report From these PROPERTY AND MINISTER MARRIED DEVE,000 SHARE States John Brooks William

AVIATION WEEK New York St., 538 W., 4Ded St., Phone, LiDouscov 4-1000 Origin LO 4-3000

Addersial Offices - Weldering S. D. C., Helbert Press Eds. Person Halvert \$2015 (Beatle 7 655)

Charges Herled at British Air Industry Missing greed, lethoray, incompetency in component former Closter wheel fast priori singles out Joselin for criticism. MARIES STREET, ASSAULT SHOW Canital Orders 14 de Havilland Cornets 40 *U. S. catine parchoses medium range Errisch jet, possenger

LOT ARREST. Strong Print, Stifted Sweeter USAF Goals Here Date, Fewer lestraments Port II of series as esperant of trustrument social redepon describes egylophon, power systems. Workshort Chief Sand, Charle Stations MISSE PAGESTRA TRANSPORT Con Capter Fires Manile santate, comprise Marine Later States Seite

APPONIATE CAL INSENSISIONS 135 Cockats, Myles Seem the fit had the few finds Adjustment Performance State Revealed. AUGUSTAN PLYSON Plane Seconding Values Green Megastenster for beef Abrout mbr Arlania Bellebilly Ashod

HNANCE Rebento Indexe

CEVER. Leckhool C-19th By over Monette, Ga. plant of Leckhool Assynta.

APIATION WERK + JULY 30, 7654 + Wd. 45, No. 5 Member ASP and ASC

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Blades that save pilots from close shaves with ice curves and corners - give added prove-

THERE'S no meed to doesd propelling Alc. heleweight trees for commercing depoly to escal surfaces. B. F. Goodrich electrical persocitor

If you are looking for one of the more wast and emperouse leading olars, oil Perhaps those ensurples propose a possible achapte to some own see or



EDITORIAL

Keep an Eye on Aeroflot

that the Resource will spong some new supposes in our Looking at Account operations today could be just as deceptive as watching the searce of mateneagard Stormoviks, Yok fighten and Tud causes of the Beeing B 29 in the post war period up to 1990. When the MSG-15 appeared in Kercan combat in 1951 at usual Today Account is concutivity in the DC-I on of an 1940, and before World War II abraved them into ben by Accorded are in the mond enterpry of early For recogn but Large to the Recogn they DC li reservery. With this extended convenent Accelet does a workberre job over the vist domain of the U.S. S. B. and its political autoffices But despite its corners picture of an or transport on extensional retire field. There are now that the Com-

world becoming volume of business travel between nonting in the Eastern bourthest, the South Brane There are very that Arreflet has felt the double stime. topered. An extense suport improvement program non included to the latest Pice Year Play. A whole year jet transport which is new definitely established as a new

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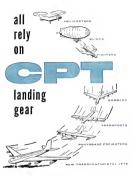
reconsense decision to the threshold of unline senses

eath in 1954. By June of 1955 the Topolov design team from article rather than a prototype. Then it an interesting point became it is identical with the philosophi em show at Tushene, postpored until July 1955 because

of bad weather. The To 104 was scheduled to begin nomine According service on hanc 1986, buildly rappe than two years after the printed dozen decision was made ment free However, the To 164. He new jet burenests this writing is still not in regular Acroffet service. * Tail 0 four set transport. This place is belief by the Season as designed to come \$20 reservers in a deablecard version of the first set Bana could muchly be A Andrews technique come to senset. Postations of this post flow in the 1956 Trakens show (AW Iab 2 in 26). * Elembin techniques processor francost, Protestone of Factors No. 45 admenug Moscow's Certral Airport . Large terbopous transport about which few details no under development and specifically differentiate it from This famely of the graduating powered transports will give Assurtor a completely upw look decays the next five years. The order, like all others rangens sate the let electronic navigation and traffic poetrol system and ado Aerobot also has been gabbling on the freque of

repetit when Amoffet Smilly joint these two interest total conception as it wast be evident how each Keep an ext on Aemfett Doc't be received if it

... Robert Hote



Cleveland Pneumatic Tool Company cures 1.000

WHO'S WHERE INDUSTRY ORSERVER

In the Front Office.

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Honors and Elections Col. House A. Hone (USAF A): To

Charles B. Shedelli, Dandie Accord Conmittee Hight Select Frenchison, Inc., New York, N. NicCon tenti Solven E. Waker, Brenklin Avenue

R. M. Brown, restricted, Robboson, Md. Hinner Stougham, contager, seveni) for ener maken Closus Divisor, Second Manufacturing Co. Westerbury Com-People Sevence, assistant to chief rags non-Levelad Electronic Professe, Ive.,

Chamerea

PDoarles ATD-2. Intert production version of the two-set Skywarner, in undergoing flight-test tests at Edwards AFB. Also under test at Edwards to ► Faircheld Blue Goose, long-range statule postors of one of Convin's B-58 > Societ ser force has a defeate professore for the probound diagran type on most Bucker KC 97 traken and wheelpled for the KC 155 set traker. these class but will have lower specific weight and feel communition than

➤ Name! Descript's Excedent III and Excedent IV at tectical support fighton made their first flights list week. The Escudied II, practed by two a \$39,032,500 contract for production of 25,555 cause believeden

*Redisplace Co., Vox Ners, Calif., has accrived a \$5,110,702 contract from the Air Meterial Command for OQ-ISD trapet depart and Insuching *Borng Applies Co. his seemed a 542 million USAF contact for P As customing study of extensive secondly techniques for model south

FESCALD Corp. has received a \$1.5 publics conduct from the USAF for facilities for production of regime components for the Grazed Electric 179.

factors at Torkouse whose the Courselle jet sufface in in production. Thus for the seprent have been releved, although Farner opposently would have no objecting to selling the signal to June Cortisa equation of Eur. West

Chele D Bedd, states; seponded ont Parrio Ren. Behilv Antone AVENTION MEEK, July 38, 7156

NAPIER

announces that the

Eland

propeller turbine aero engine has passed its official

150 hour

type test at 3,000 e.h.p.

NAPIER FLAND

Assessmentations J. C. Y. Strine, Suits 909, Dayson Circle Building, 1346 Connection Amount N.W., Workhapter, 6, S.C. Tell Dayson 703133

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-WASHINGTON ROUNDUP-

No Money for Tales

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Action on Airways Plan

tons (AW Jah. 13, p. +8). The prospect was that the Of the 565 unifiee, 524 redies in for operation of the

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Burke Fails Again

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Airpower Report Delayed The South Argonic Investigating Schoolsestics

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EXPERIM ME In belonging to No. 46 Squalitor BAU or wheelt-drown formation. No. 46 Squalitor will be only until to get MB. In.

Charges Hurled at British Air Industry Alleging greed, letherer, inconnectence in com-

panies, former Gloster test pilot criticizes Javelin. Landon-Seturia month reducty to the Jordan and sendored "modern now absented had nevel with second no-

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Tight and Sersy are setting "tight and saving" on the

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Farnborough Safety Questioned The saled who firm the Chater bands on two MAC display any 19 is a solvable Waterber charge in his back that the reads between Brigals asseption become horsoric rate a "Rossor helder." He revealed a near finance at Farabonough in 1947 when, thing a Glester Meteor he munded a low lead into and about about one the creed. The m

"Reeling on from a speedings dire, I shot saweth and over the top of the loos, and at \$100 mpb., but at \$300. Added to that I did not you hook on the stack band. enough mutually and was during around 300 while still perhalb severtof-and receiped "I could feel the seven time of Meteor horning and shaddening marks me, posticly

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that as a test point he was little more rands different from the navedt now

Widow A. Waterine h synthesis our reproduct for the London Parks Course He det of of the moral flight torting of Ducket economic is 1940. He sho arred in the Transferde Feyr Com-Westler Fight to cooperates made for Fighter Command he flew shaped even type of American, Greenen, Bullett

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Glester comments, "We feel combody will cogut Squadow Leader Westtheureuch of silets of the RAF and

was obvious that they had not believed couch of a Jacobs protuctive. Lawrence

Gloder uses Waterbor's account of

of his countries, Peter Lowscoop, on the change upon them." Moss Probe Would Abolish OSL Says Ross 'Confused' in His Job

"Mr. Ross" classes of nethorsts, his Washington-The House Corera The stack in the subcommittee-OSI Department

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KC-135 Instrument.

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Congress Acts on

Aviation Measures tend to the White House A Seguito-• Medico Tesel Cest. Legalities

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If month it faces a possible Press.

ANATION WEEK, July 30, 1936

CAB Warns of Potential Collision Toll

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Airline Celliniane

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restore a herebour . Collisions set most Mudy to some over separa at alkindes of hervison Of the 127 socidents, 60 brought A total of 122 paints pilots were in-10 west qualified with all tumpert not erous, two wax positivel and more

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charge action was been by other Ben W. Ashmood, of the CAB's Bu-

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Good Construction Helps Two refigers between selecte orequired dencity over the stepan Name Cil the 13 and an college to between

> AFA Convention anded number managers, bushes and

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a Coppe in a collinger a student relati

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The ACC report concluded that the . Set a speed knot for all strends · Erickiah communications report fears that might could from faron, boles come and lakes to not smooth

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teners procedure at Washington."

The agoncy she called for positive coattol of all traffic nevarilets of

Pilot Response Some policer found is delically to major

the movement of traffic and personal



French Team Flies Mysteres

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Pilot Medal Testing

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Greater Avionic Reliability Asked tone ecoperat sall for both tech-

Other Tests

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Concress Extends Renegotiation Law

Washington-Congress has given * From with loss than a 52 william

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and in 200 kby Leonades Masse on Turbines to Double H-21 Capability Mates, Pay/The Vertil \$121 hit. cut engine. Placement adjectes they

The 1,000 hy wasts will realize a ander a \$1.5 million contact pieces Sikorsky Completes

1.000th S-55 Model

neight for the terbesc-neighed H 21. which will have makelenging relability

Type 173 Helicopter Delivered to BEA A Vetel spikeress and the two cagnet will be nutrited as the nor Agendan. These more prototypes are

Light Helicopter Is

Ordered by British

News Digest

Royal Nurwegion Ass Foxce has pur-

well be moved August 21. Eutonom wells at my street 220,000 no. do street and well USAF operacts totaline \$11,627,563



52F in Transport Version is SSF. Similarly of wing fishing of two versions (top) shows how 70 ft. spon evenlage of ough for netterno prove stoways. NIF her MAD been extended from ted.



AVAITION WEEK, July 28, 1956



Despite 1 C-1248 present to four 2550 h.m. From E. II history T.M melaness country.

How the Holley "hidden co-pilot" does two jobs with one handle control the reformation to its never center.

Throughout the entire operstices range of the new Deegles TO 2248, raging power and propeller guara-"two-bandle" job but in this new simplices the job is done with a single countril leave and the bob. Superiors Har a "bidden consider". One of these controls recolled on each 5550 hourspaner Posts & Whitney Average T-34 campage

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RADC flight evaluation tests prove:

GILFILLAN AUTOMATIC GCA represents two outstanding advances in electronic navigation systems

Offfice Automatic GCA is building a complicable second in In Automobic Austrach, the traffic handling cognitive is one public conduct or standard OCA tolkdown, to unbrudual nor-In other coule type or must build AOCA provides radical

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that ADCA will current over streetest Colline CCA's both

Intended replacements and an interpretation of the course of the course

PRIME CONTRACTORS FOR COMPLETE SYSTEMS

French Djinn Helicopter Fires Air-to-Ground Missile





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AIR TRANSPORT



Capital Orders 14 de Havilland Comets

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Airline Stock Outlook Shows Improvement

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Airline Helps Brazil Integrate Economy

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Airline Income and Expenses-May 1956

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Pacific Air Traffic Grows; Olympics Help By Bessie Lone

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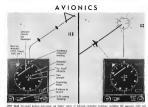
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EMPLOYMENT MANAGER. AVED AIRCRAFT MATER. BOX 4004, TERMINAL W. TORONTO, CANADA

AVAITION WEEK, July 10, 1956





Meeting the challenge of

How Goodyear is finding new ways
of mapping inflammable liquids on the move
and under control—in the service of
Avation, industry and Defense

The challenge of handling explasive-pross liquide as one Goodyser seet on 1920, when it developed the limit recessful hilderscaling feel tend for septimes. Since that time it has delivered a lost of advancements to meet the neets required of handling new feels for over tests. supplying highly huncedous propellises is missiles and suchate, now uses an for irrespecting and supplying gasolize to farms and reacts contraction with, per-cellayable cells for stowing fael within the take wings of fet alreads.

Today this powering continues with full vigor on the Assurine Products Davison of Goodyner autovers see ways to previde Jodyneal fuel systems for restitary schooles, teepede Jones and heplodyne, jet rittenth new concepts for delivering self-sensable liquids where

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What's special about these couplings?

Look at the newest couplings for let already bleed air ductwork! Connect them, duconseco is a resolt of restal to metal seal, with Janutral couplings save up to 40% in weight over conventional designs, yet they're described for configuration care at 250 per at 750 P. To make metallidum cary, clamp. tickness on bricking rafe; quick connects and discensees can be runde in hard-to-rands They withstand corroson, personne, trepperstarts, sarger, regulipropers, and when-

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SECUREMENT SPECIFICALISM PLEASE IN STREET

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ANATON WIRK July 10, 1986

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Microwave Devices satisfy to book as \$80.1 per combible as





USAF Air Defense Command to get first Starfighters . . .

NEW GENERAL ELECTRIC 179 GIVES ADC'S LOCKHEED F-104A SUPERSONIC CLIMB RATE,





PARIN UP DEVELOPMENT WAS NO experience at Cleaners Electra





A'r Defense Command, ADC will recorn an cantatand; These General Electric 179 features help make the . Develops more thrust per pound then any other

terbones in its power class.

· Is bighty efficient at both sub- and experience

Already in production for the Starfighter, the J79 is today being tested for still newer weapons systems soon to be appounded. General Electric Company Cinciprosts 15, Ohio.

Progress Is Our Most Important Product

GENERAL M ELECTRIC



Three Mufflers for Jet Runups Econor's first mobile set engine modifier thead erdages point of Volkset bomber 25 decited ld plots it in that filled with sound sh-



EQUIPMENT

Cartridge, Old Standby, Expands in Use

By Green Chrysten the emblery powerphist thin are



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ENGINEERS for absorbing problems











Trailers, Stands Designed for Jet Support By Irving Stone

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March Rafe model 4000 A hours duty, any depoint

Model 1900 univered component religion is espable of handling a midamosty of shapes ranging from a 15 in.







senants 4800, a construence tender before used to recover 207 with absolutes from T-600.

system is a model 1900 cagneties

Sub-Critical Reactor

Shown In Display A sub-extent marker senter collect

sufficient amment to seators a choice Three handred gallons of try water



MEASURING UNITS: Electro-optical pick up (kH), blade tracker (contro), indicating mater Vertol Uses New Blade Adjustment

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Aluminum Reduction Plant for Harvey

Hones Abrasines, a drawn of Cold, will brild a \$4,000 ton alone



Flight Test Figures of C-130 Revealed

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TOP SPEED of ever 170 such , C-210 regulate T 10 at above pleast on both



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Equipment List

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NEW AVIATION PRODUCTS

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On TWA'S SUPER- Lockheed Constellation's landing gear ...



Elastic Stop®nuts pass this brutal drop test

Like a bladcless guillotine, this 40-foot-high Lockheed test stand hoists landing gear assemblies aloft, spins their wheels backward 100 miles an hour, and crashes them down on its concrete base. Tons of lead weights simulate the big plane the landing gear is designed to carry.

The Lockheed experiments are directed toward development of lighter, stronger landing gear. These new units in turn demand fasteners designed for maximum resistance to fatigue failure plus the utmost dependability in terms of rated tensile performance and resistance to loosening under severe vibration and extreme shock and impact loads. Among the planes to benefit from data already secured by these punishing tests is the new Lockheed Super G Constellation, already placed in service by TWA. The Super G Connie's landing gear is only one of the many structural sections of the new plane fastened with vibration-proof Elastic Stop nuts.

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